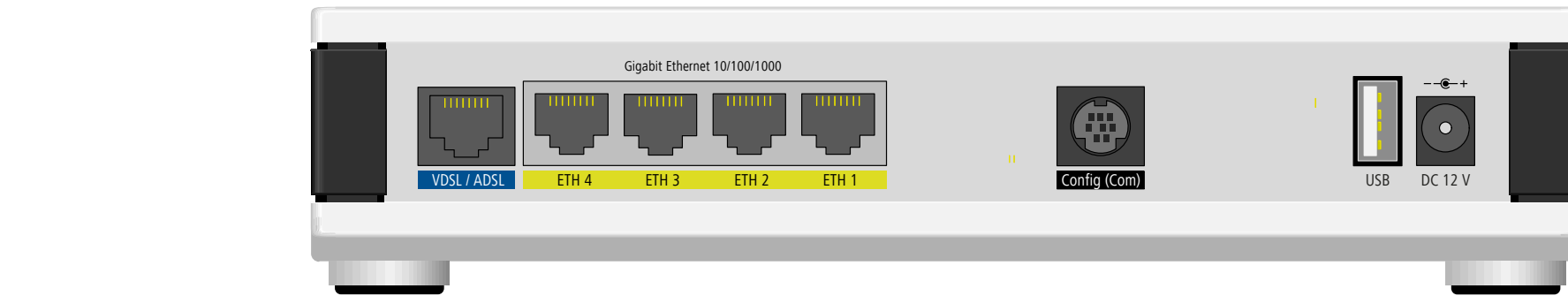
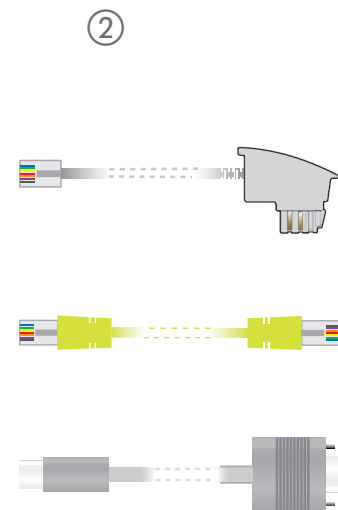


LANCOM 1790VA

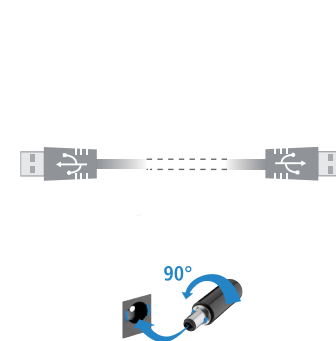
Quick Reference Guide



- ① **VDSL / ADSL interface**
Use the supplied DSL cable for the IP-based line to connect the VDSL interface and the provider's telephone socket. For more information, please contact your Internet service provider.
- ② **Ethernet interfaces**
Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.
- ③ **Configuration interface**
Use a serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring (separately available).

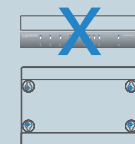


- ④ **USB interface**
Connect compatible USB devices either directly to the USB interface, or use a suitable USB cable.
- ⑤ **Power**
After connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place. Use only the supplied power adapter.



Please observe the following when setting up the device

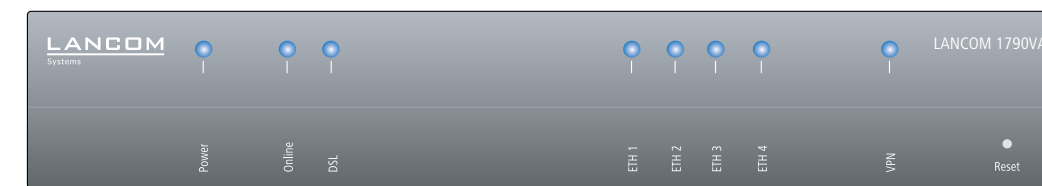
- > Do not rest any objects on top of the device
- > For devices to be operated on the desktop, please attach the adhesive rubber footpads
- > In case of wall mounting, use the drilling template as supplied



- > Keep the ventilation slots on the side of the device clear of obstruction
- > Rack installation with the optional LANCOM Rack Mount (separately available)



MOUNTING AND CONNECTING THE DEVICE



- ① Power
- ② Online
- ③ DSL
- ④ ETH
- ⑤ VPN
- ⑥ Reset

| ① Power | |
|----------------------------|--|
| Off | Device switched off |
| Green, permanently* | Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible |
| Red / green blinking | Configuration password not set. Without a configuration password, the configuration data in the device is unprotected. |
| Red blinking | Charge or time limit reached |
| 1x green inverse blinking* | Connection to the LMC active, pairing OK, device not claimed |
| 2x green inverse blinking* | Pairing error, resp. LMC activation code not available |
| 3x green inverse blinking* | LMC not accessible, resp. communication error |

| ② Online | |
|--------------------|-------------------------|
| Off | WAN connection inactive |
| Green, permanently | WAN connection active |
| Red, permanently | WAN connection error |

| ③ DSL | |
|------------------------|-----------------------|
| Off | Interface deactivated |
| Green, permanently | DSL connection active |
| Green, flickering | DSL data transfer |
| Red, flickering | DSL transfer error |
| Red / orange, blinking | DSL hardware error |
| Orange, blinking | DSL training |
| Orange, permanently | DSL sync |
| Green, blinking | DSL connecting |

*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.

| ④ ETH | |
|--------------------|---|
| Off | No networking device attached |
| Green, permanently | Connection to network device operational, no data traffic |
| Green, flickering | Data transmission |

| ⑤ VPN | |
|--------------------|-------------------------|
| Off | VPN connection inactive |
| Green, permanently | VPN connection active |
| Green, flashing | VPN connecting |

| ⑥ Reset | |
|--------------|--|
| Reset button | Operated e.g. with a paper clip > short press: Restart the device > long press: Reset the device |

| Hardware | |
|-------------------|---|
| Power supply | 12 V DC, external power adapter (230 V); bayonet connector to secure against disconnection |
| Power consumption | Max. ca. 14 W |
| Environment | Temperature range 0–35 °C; humidity 0–95 %; non-condensing |
| Housing | Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 x 45 x 140 mm (W x H x D) |

Number of fans: None; fanless design, no rotating parts, high MTBF

| Interfaces | |
|---------------------|--|
| WAN: VDSL2 | > VDSL2 as per ITU G.993.2; profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b > VDSL2 Supervectoring as per ITU G.993.2 (Annex Q) > VDSL2 vectoring as per ITU G.993.5 (G.Vector) > Compatible to VDSL2 from Deutsche Telekom > Compatible to U-R2 from Deutsche Telekom (TR112) > ADSL2+ over ISDN as per ITU G.992.5 Annex B/J with DPBO, ITU G.992.3, and ITU G.992.1 > ADSL2+ over POTS as per ITU G.992.5 Annex A/M with DPBO, ITU G.992.3, and ITU G.992.1 > Supports just one virtual connection at a time in ATM (VPI-VCI pair) |
| ETH | 4 individual ports, 10 / 100 / 1000 Mbps Gigabit Ethernet, by default set to switch mode. Up to 3 ports can be operated as additional WAN ports. Ethernet ports can be electrically disabled in the LCOS configuration. |
| USB | USB 2.0 hi-speed host port |
| Config (Com) / V.24 | Serial configuration interface/COM-port (8-pin mini-DIN); 9,600 - 115,200 baud, suitable for optional connection of analog/GPRS modems. Supports internal COM-port server and provides transparent asynchronous serial-data transfer via TCP. |

| WAN protocols | |
|----------------------|--|
| VDSL, ADSL, Ethernet | PPPoE, PPPoA, IPoA, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN |

Declaration of Conformity
Hereby, LANCOM Systems declares that this device is in compliance with Directives 2014/30/EU and 2014/35/EU. The full text of the EU declaration of conformity is available at the following internet address:
www.lancom-systems.com/ce/

| Package content | |
|-----------------|--|
| Documentation | Quick Reference Guide (DE/EN); Installation Guide (DE/EN) |
| Cable | 1 Ethernet cable, 3 m (kiwi colored connectors); 1 DSL cable for an IP-based line, 4.25 m |
| Power adapter | External power supply adapter (230 V); NEST 12 V / 2 A DCS; barrel / bayonet (EU), LANCOM item no. 111303 (not for WW devices) |

This product contains separate open-source software components which are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS) is available on the device's WEBconfig interface under "Extras > License information". If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request.